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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/982,629	10/18/2001	Kenneth F. Buechler	071949-1315	8727
30542	7590	01/14/2004		
FOLEY & LARDNER			EXAMINER	
P.O. BOX 80278			ALEXANDER, LYLE	
SAN DIEGO, CA 92138-0278			ART UNIT	PAPER NUMBER
			1743	

DATE MAILED: 01/14/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.	09/982,629	Applicant(s)	BUECHLER, KENNETH F. 
Examiner	Lyle A Alexander	Art Unit	
		1743	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

**A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM  
THE MAILING DATE OF THIS COMMUNICATION.**

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

1) Responsive to communication(s) filed on 21 October 2003.  
2a) This action is **FINAL**.      2b) This action is non-final.  
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

4) Claim(s) 1-18 is/are pending in the application.  
4a) Of the above claim(s)       is/are withdrawn from consideration.  
5) Claim(s)       is/are allowed.  
6) Claim(s) 1-18 is/are rejected.  
7) Claim(s)       is/are objected to.  
8) Claim(s)       are subject to restriction and/or election requirement.

**Application Papers**

9) The specification is objected to by the Examiner.  
10) The drawing(s) filed on       is/are: a) accepted or b) objected to by the Examiner.  
    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. §§ 119 and 120**

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) All b) Some \* c) None of:  
1) Certified copies of the priority documents have been received.  
2) Certified copies of the priority documents have been received in Application No.      .  
3) Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  
\* See the attached detailed Office action for a list of the certified copies not received.  
13) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.  
a) The translation of the foreign language provisional application has been received.  
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

**Attachment(s)**

1) Notice of References Cited (PTO-892)  
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  
3) Information Disclosure Statement(s) (PTO-1449) Paper No(s)      .  
4) Interview Summary (PTO-413) Paper No(s)      .  
5) Notice of Informal Patent Application (PTO-152)  
6) Other:

***Double Patenting***

The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. See *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and, *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent is shown to be commonly owned with this application. See 37 CFR 1.130(b).

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

Claims 14-18 are rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-25, 4-16, 1-12, 1-15 of U.S. Patent No. 6,156,270, 6,019,944, 5,885,527 and 5,458,852 respectively. Although the conflicting claims are not identical, they are not patentably distinct from each other because both are directed to a device creating a differential flow rate by arrangement of hydrophobic and hydrophilic zones along a capillary flow path.

***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

Claims 1-18 are rejected under 35 U.S.C. 102(e) as being clearly anticipated by Kuhn et al.

See the appropriate paragraph of paper 9.

Kuhn et al. further teaches predetermined liquid flow paths that lead the sample to the reagent area. In column 4 lines 40+ specifically describe the sample is prevented from laterally moving from the sample receiving site by impermeable barrier means. These impermeable barrier means have been read on the claimed channels.

#### ***Response to Arguments***

Applicant's arguments filed 10/22/03 have been fully considered but they are not persuasive.

Applicant's perspicacity is appreciated in detecting the typo-graphical error in reference to USP 6,019,994. Further, application of Kuhn et al. under 35 USC 102(b) in the prior Office action has been reconsidered. USP 5,458,852 does contain the claimed subject matter and properly provides priority to the filing date of 5/21/92 . The Office has applied Kuhn et al. under 35 USC 102(e).

Applicants traverse Kuhn et al. because this reference does not contain channels. The Office does not agree and directs Applicants to the abstract and column 4 lines 40+ as examples that Kuhn et al. teach a liquid flow path with impermeable barriers which has been fairly read on the claimed channels.

Applicants traverse the application of Kuhn et al. to claims 2-3, 6 and 12. The Office maintains because Kuhn et al. teaches an identical structure to that claimed and performs the identical method of applying a sample in a channel to migrate to a reagent, it must inherently have the same effects that are recited in the above claims.

Dr. Buechler 10/21/03 Declaration was not convincing. The Office agrees with all of the characterization made about what is intended by a channel. As elaborated above, it is believed that Kuhn et al. clearly meets all of these limitations.

**THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lyle A Alexander whose telephone number is 571-272-1254. The examiner can normally be reached on Monday, Wednesday and Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jill Warden can be reached on 571-272-1267. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0651.



Lyle A Alexander  
Primary Examiner  
Art Unit 1743

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